

ABSTRACT OF THE DISCLOSURE

The present invention relates to a video transmission and receiving method and apparatus using a radio communication instrument which are capable of transferring and receiving various information such as a video signal using a conventional radio communication instrument without providing an additional apparatus. The radio transmission and receiving apparatus using a radio communication instrument includes an input unit for receiving a video signal generated by a video input apparatus such as a video camera, etc., a capture and analog/digital converter for capturing the inputted video signal by a field or frame and converting into a digital signal, a storing unit for temporarily storing the converted digital video data, a central processing unit for JPEG-compressing the stored digital video data by a horizontal line, changing a transmission sequence of the JPEG compressed data based on a certain method, encrypting the same and performing a decompression and decoding operation with respect to an externally received compressed and encrypted video signal, an encryption code generator including a variation table by which the central processing unit changes a transmission sequence of the JPEG-compressed data in a transmission mode and the sequence of the data of the signal having a changed sequence is recovered in a receiving mode, and a display unit for displaying a video signal which is currently inputted or received.

"Express Mail" mailing label number EL649973175US
Date of Deposit December 9, 1990
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:
Assistant Commissioner for Patents, Washington, D.C. 20231.
Brant Miles
(printed name)
Brant Miles
(signature)